

AMENDED CLAIMS

[received by the International Bureau on June 13, 2005 (13.06.2005);
original claims 1-16 replaced by new claims 1-16]

+ STATEMENT

1. A method for decrypting an optical disc, comprising the steps of:

a. sending a request to a server, the request requires the server to
provide information for decrypting the optical disc;

5 b. receiving the information for decrypting the optical disc from the
server, wherein the information for decrypting the optical disc includes
two layers , a first layer containing information related to uncopyable data
of the optical disc, and a second layer containing method for decrypting
the optical disc;

10 c. acquiring the uncopyable data from the optical disc according to the
information of the first layer, and decrypting the information of the
second layer by using the uncopyable data to acquire the method for
decrypting the optical disc and related parameter(s);

d. decrypting the optical disc using the result of step (c).

15 2. The method according to claim 1, wherein the request includes topic
information of the optical disc.

3. The method according to claim 1, further comprising the step of:
sending identification information of a player to the server for identifying
the player.

20 4. The method according to claim 1, further comprising the step of:

storing the information for decrypting the optical disc into a local storage.

5. A method for generating the information for decrypting an optical disc, comprising the steps of:

a. receiving a request from a player, the request requires to decrypt
5 the optical disc;

b. obtaining uncopyable data of the optical disc from pre-stored data, wherein the pre-stored data includes data corresponding to the optical disc;

c. encrypting method for decrypting the optical disc and related
10 parameters using the uncopyable data to get encrypting result;

d. sending the method for obtaining the uncopyable data of the optical disc and the encrypting result to the player.

6. The method according to claim 5, wherein the uncopyable data of the optical disc is acquired randomly from the pre-stored data in step (b).

15 7. The method according to claim 5, wherein the uncopyable data of the optical disc includes at least one following data: copyright management information (CPR_MAI), physical format information of the optical disc, manufacturing information of the optical disc, the information in the burst cutting area (BCA).

8. The method according to claim 5, wherein content of the method for obtaining the uncopiable data of the optical disc in step (d) includes position and length of a sector of the uncopiable data.

9. An apparatus for decrypting an optical disc, comprising:

5 sending means for sending a request to a server, the request requires the server to provide information for decrypting the optical disc;

 receiving means for receiving the information for decrypting the optical disc from the sever, wherein the information for decrypting the optical disc includes two layers, a first layer containing information
10 related to uncopiable data of the optical disc , and a second layer containing method for decrypting the optical disc;

 decrypted data acquiring means for acquiring the uncopiable data from the optical disc according to the information of the first layer, and decrypting information of the second layer by using the uncopiable data
15 to acquire the method for decrypting the optical disc and related parameter(s); and

 decrypting means for decrypting the optical disc using the method for decrypting the optical disk and the related parameter(s).

10. The apparatus according to claim 9, wherein the request sent by the sending means including topic information of the optical disc.

11. The apparatus according to claim 9, wherein the sending means is also arranged to send identification information of an player for identifying the player.

12. The apparatus according to claim 9, further comprising:
storing means for storing the information for decrypting the optical disc.

13. An optical disc player, comprising:
optical disc reading means for reading optical disc information, the optical disc information including the content of the optical disc;
optical disc playing means for playing the content of the optical disc;

optical disc decrypting means for decrypting the optical disc,
including:

sending means for sending a request to a server, the request requires the server to provide information for decrypting the optical disc;

receiving means for receiving the information for decrypting the optical disc, wherein the information for decrypting the optical disc

includes two layers , a first layer containing information related to uncopiable data of the optical disc, and a second layer containing method for decrypting the optical disc;

decrypting data acquiring means for acquiring the uncopiable data from the optical disc according to the information of the first layer, and decrypting information of the second layer by using the uncopiable data to acquire the method for decrypting the optical disc and related parameter(s);

decrypting means for decrypting the optical disc using the method for decrypting compacts disk and related parameter(s).

14. An apparatus for generating information for decrypting an optical disc, comprising:

receiving means for receiving a request from a player, the request requires to decrypt the optical disc;

obtaining means for obtaining uncopiable data of the optical disc from pre-stored data, the pre-stored data including data corresponding to the optical disc;

encrypting means for encrypting method for decrypting the optical disc and related parameter(s) using the uncopiable data of the optical disc to acquire encrypting result;

sending means for sending the method for acquiring the uncopiable data of the optical disc and the encrypting result to the player.

15. The apparatus according to claim 14, wherein the obtaining means is arranged to randomly select the uncopiable data of the optical disc.

16. The apparatus according to claim 14, wherein the uncopiable data of the optical disc comprising at least one of following data: copyright management information (CPR_MAI), physical format information of the optical disc, manufacturing information of the optical disc and the information in the burst cutting area (BCA).

STATEMENT UNDER ARTICLE 19 (1)

According to Article 19 and Rule 46, we amend the claims 1-16 of the international patent application PCT/IB2004/052278, and use the amended claims to replace the original
5 claims 1-16. Claims 1-16 is replaced by amended claims bearing the same numbers. When we correct the translation errors of the original claims, we did not exceed the original essential meaning of the international patent application.

PCT REQUEST

Print Out (Original in Electronic Form)

VIII-2-1	Declaration: Entitlement to apply for and be granted a patent Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent (Rules 4.17(ii) and 51bis.1(a)(ii)), in a case where the declaration under Rule 4.17(iv) is not appropriate: Name (LAST, First)	in relation to this international application KONINKLIJKE PHILIPS ELECTRONICS N.V. is entitled to apply for and be granted a patent by virtue of the following:
VIII-2-1(i)		KONINKLIJKE PHILIPS ELECTRONICS N.V. is entitled as employer of the inventor, < select an inventor >
VIII-2-1(ii)		PENG, Yang of 21/F Kerry Office Building 218 Tian Mu Xi Road Shanghai China is the inventor of the subject matter for which protection is sought by way of this international application
VIII-2-1(i)x)	This declaration is made for the purposes of:	all designations except the designation of the United States of America